

The Jini Technology

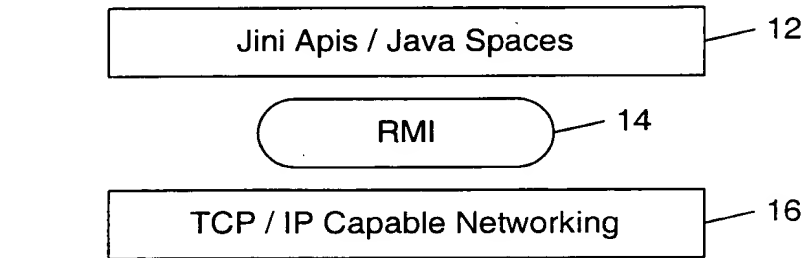


Fig. 1  
(Prior Art)

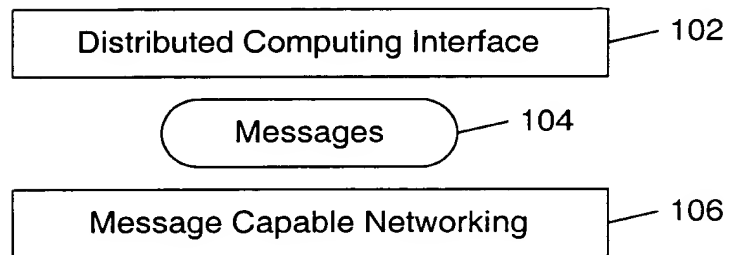


Fig. 2

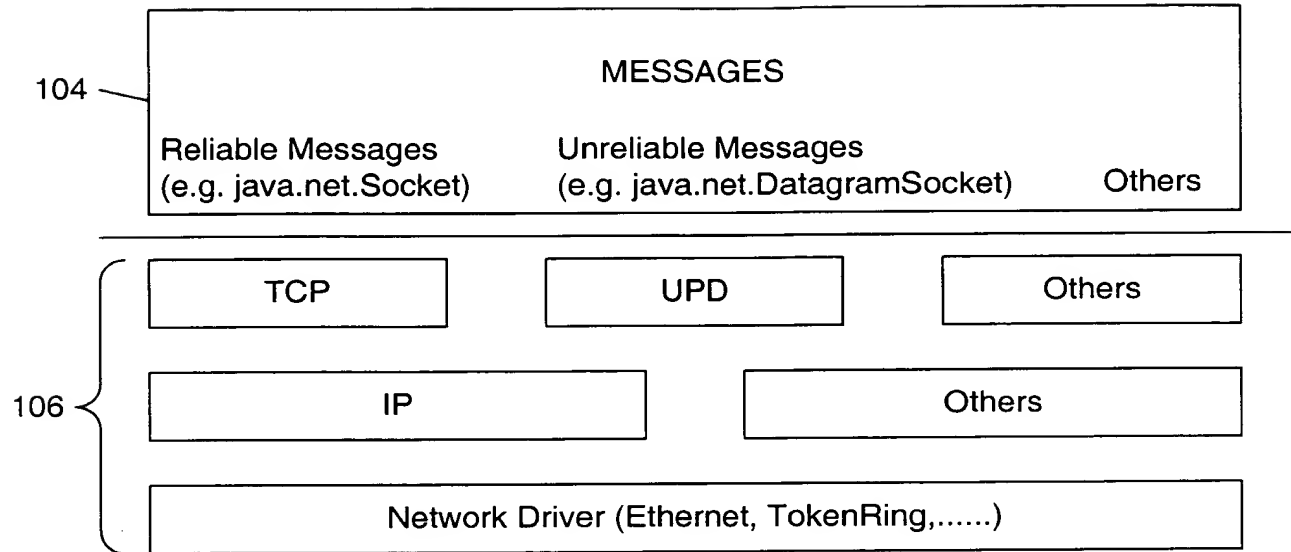


Fig. 3

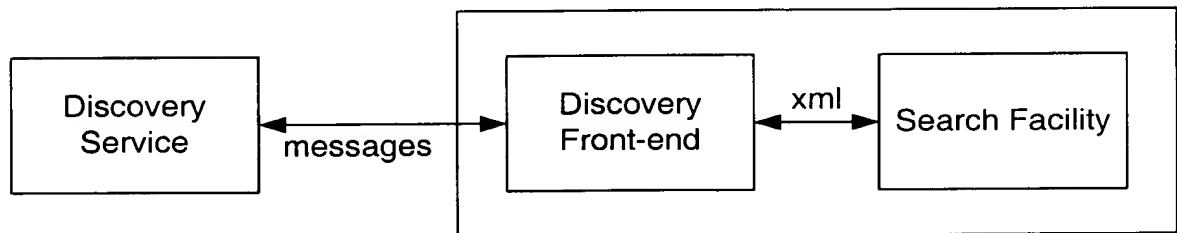


Fig. 4

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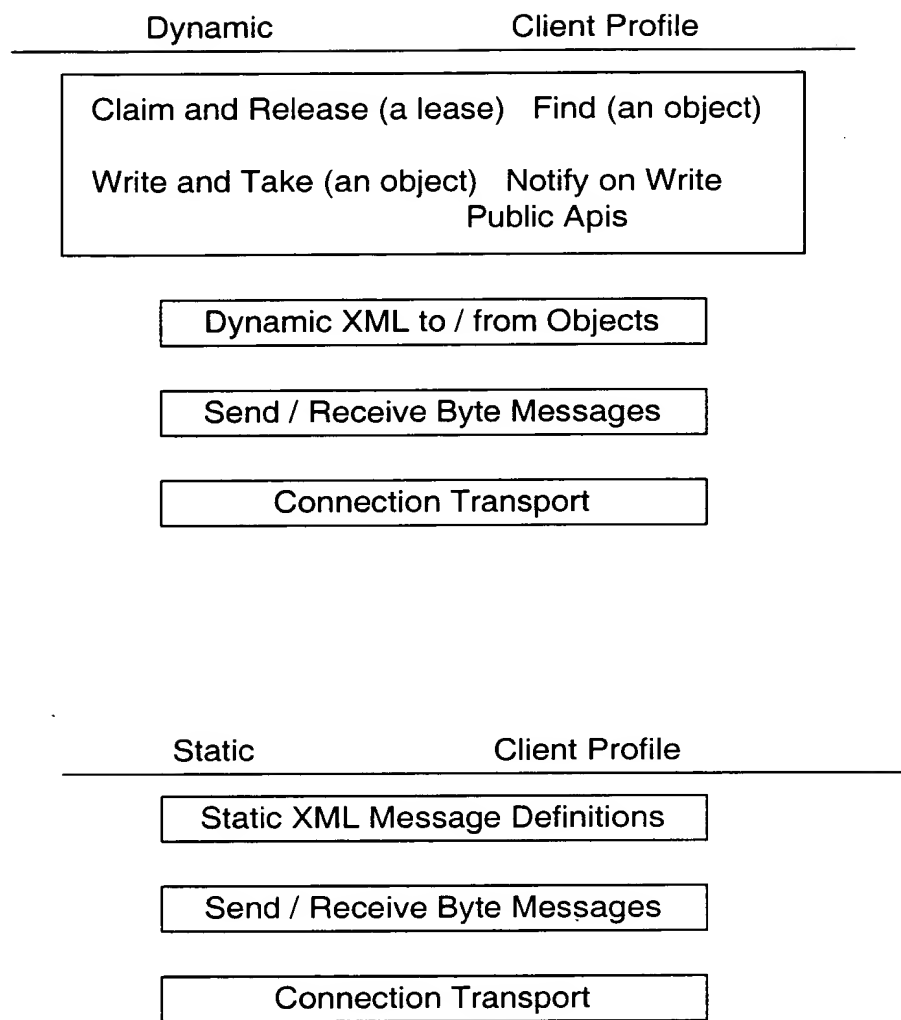


Fig. 5

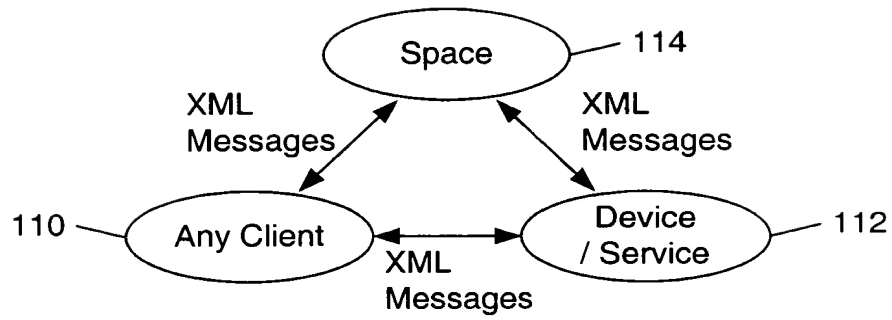


Fig. 6

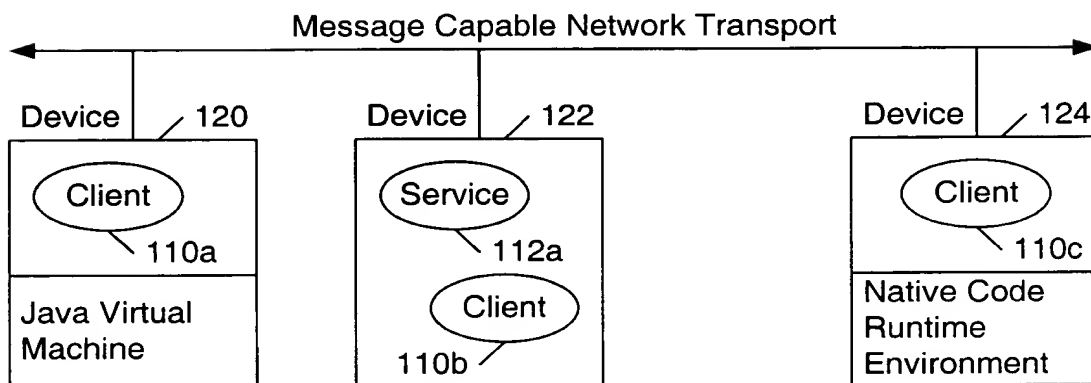


Fig. 7

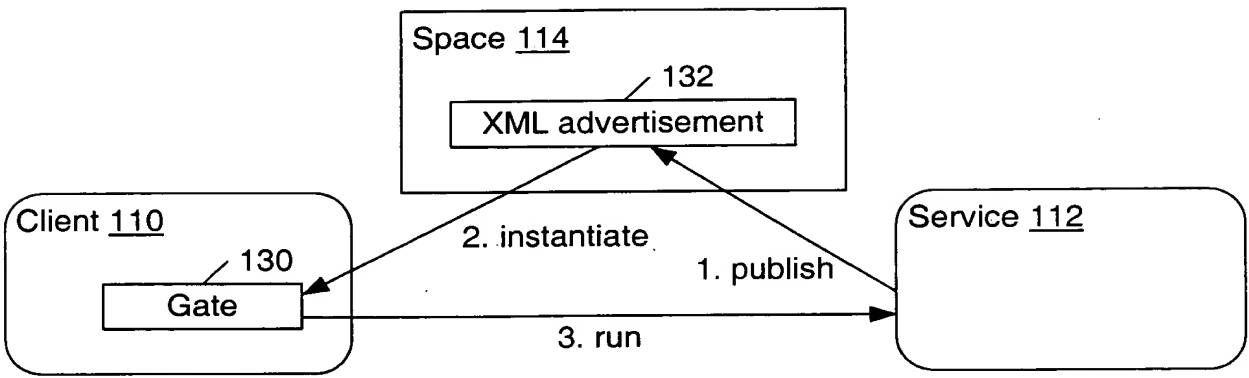


Fig. 8

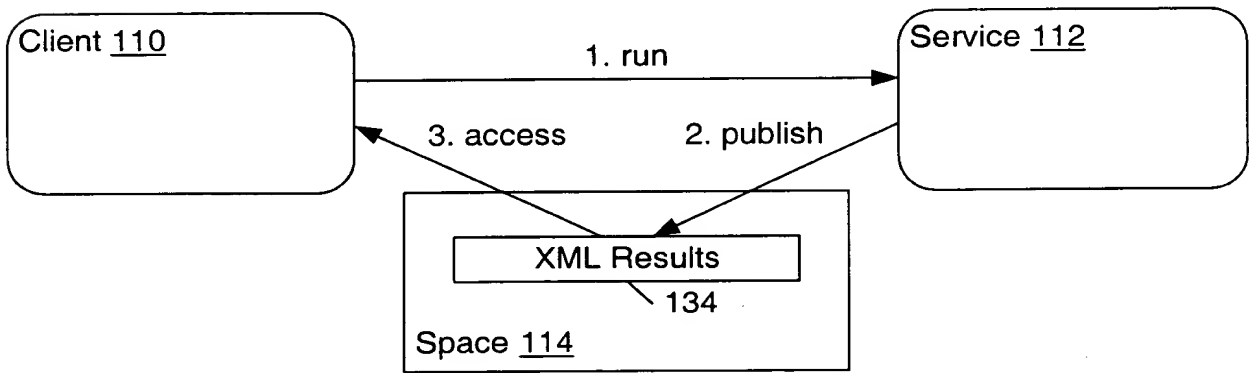


Fig. 9

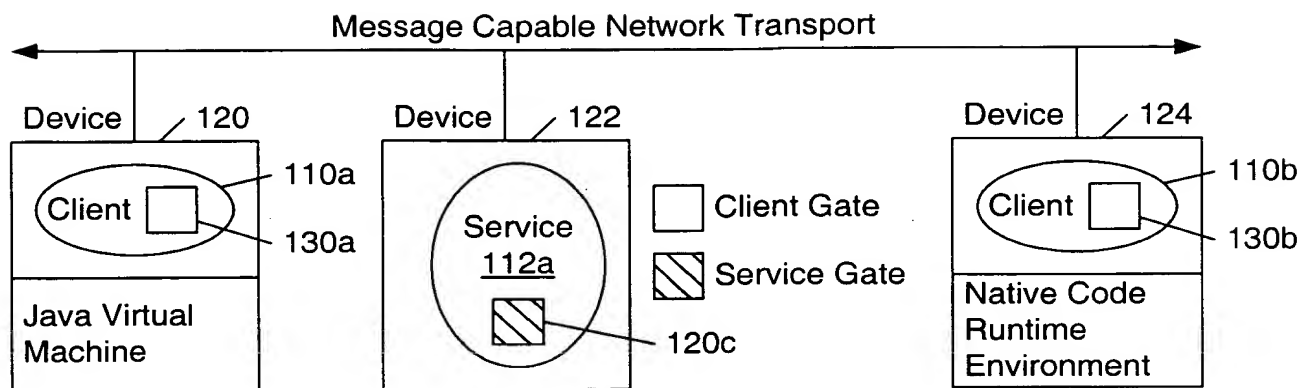


Fig. 10a

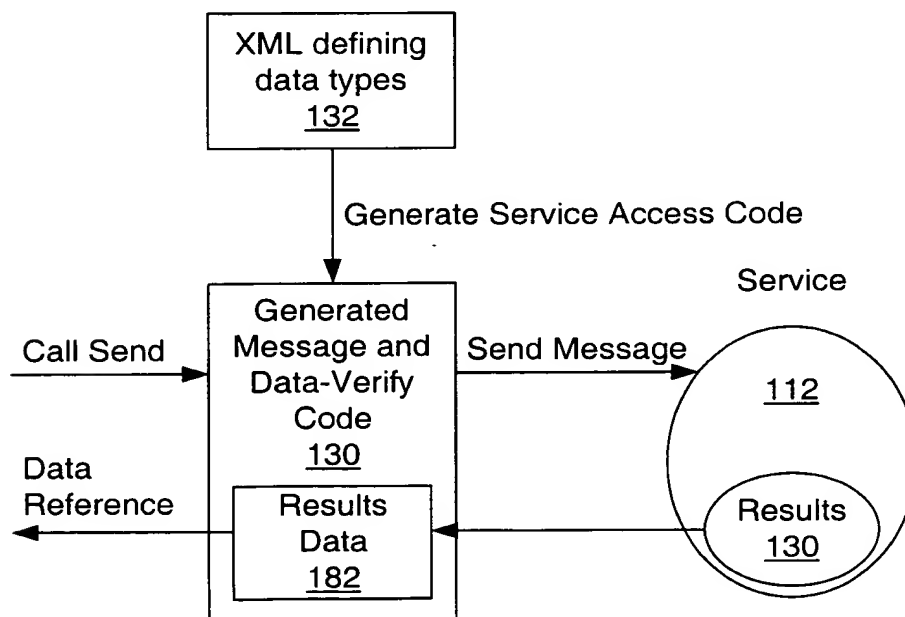
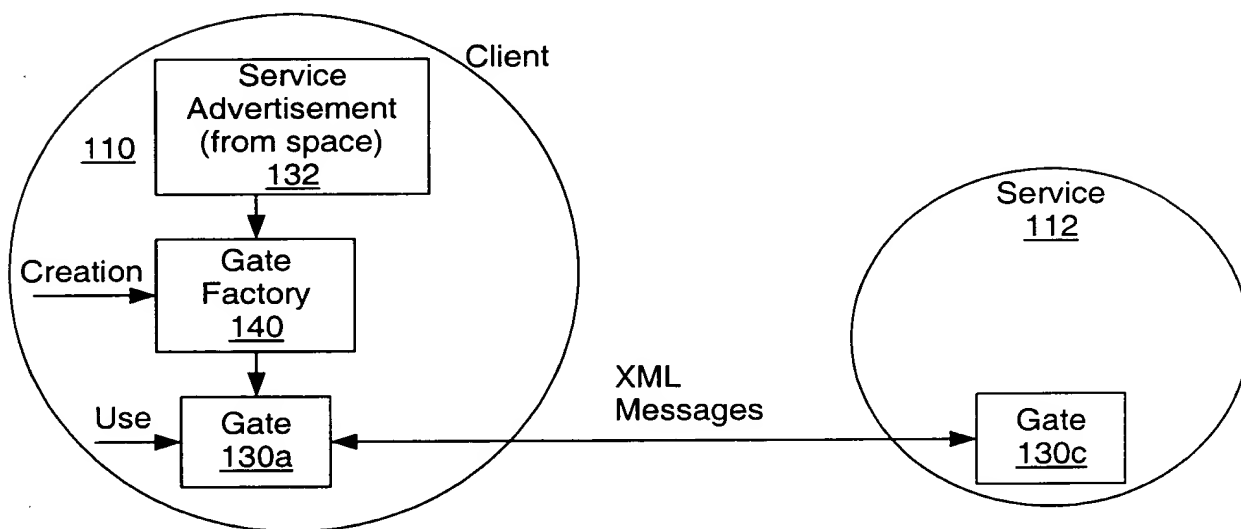


Fig. 10b



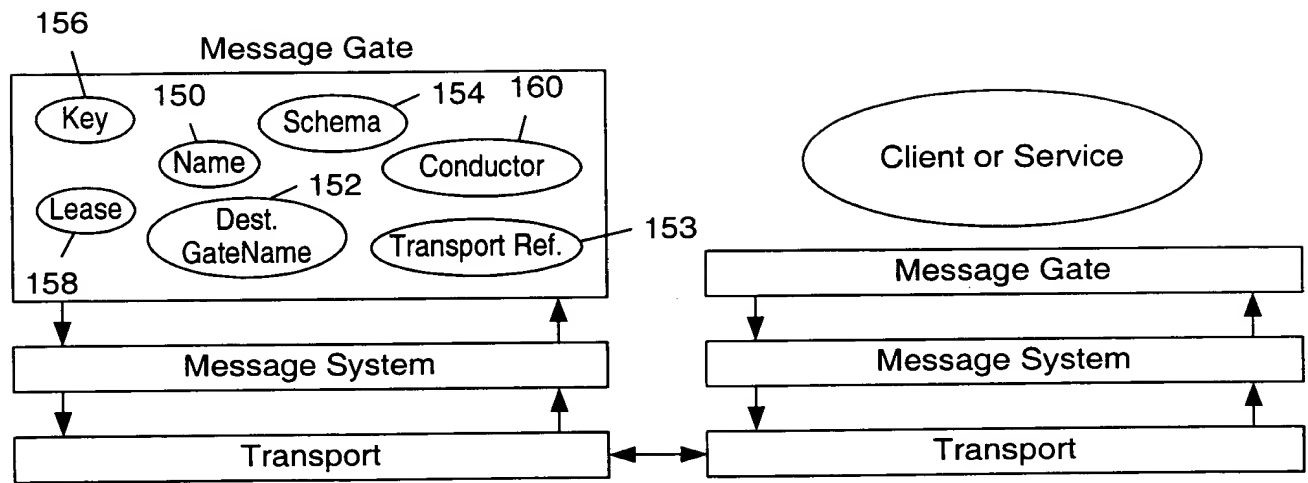


Fig. 12

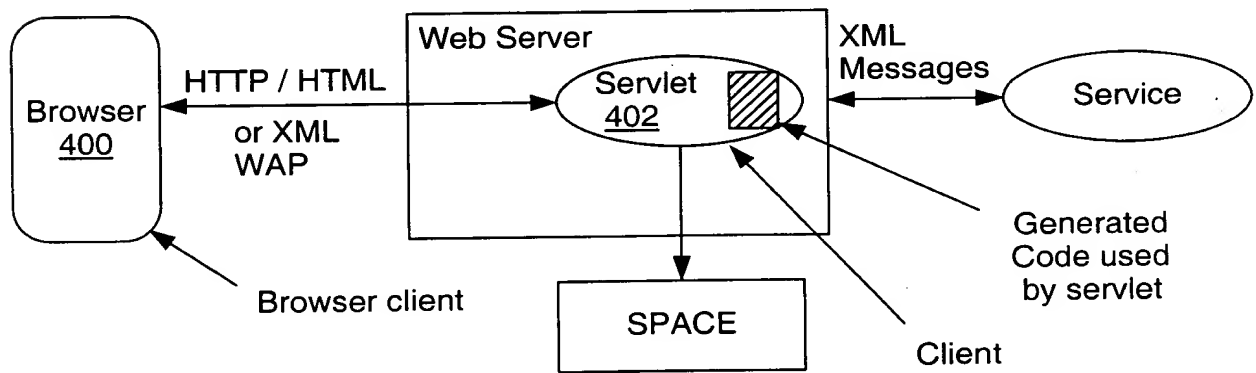


Fig. 13



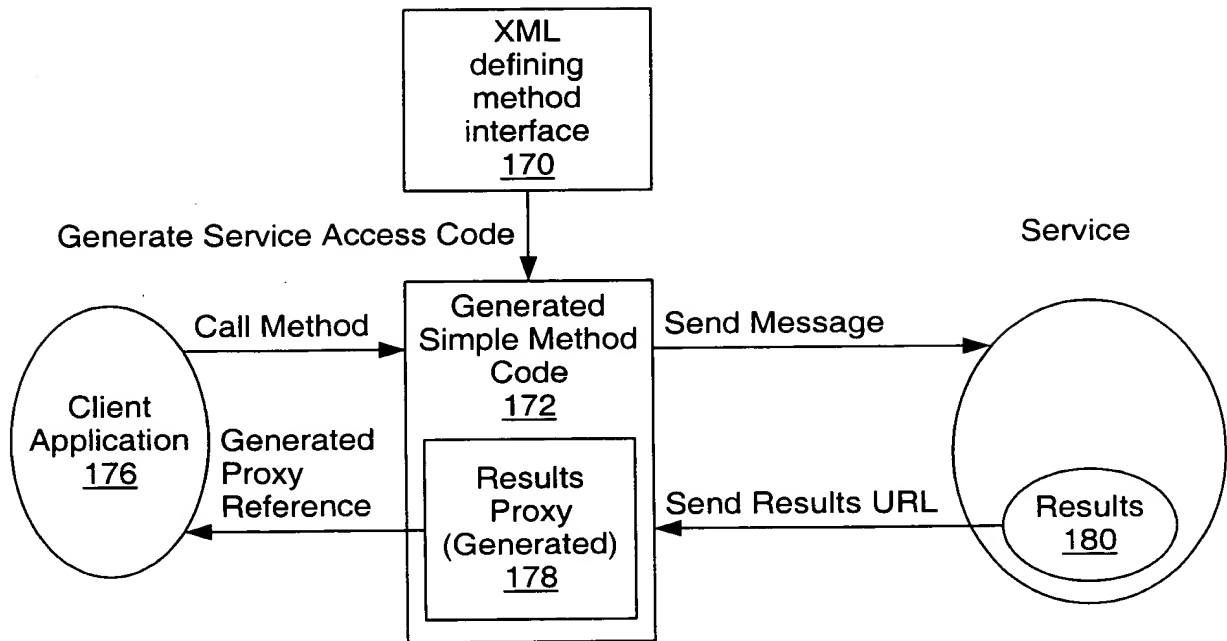


Fig. 14

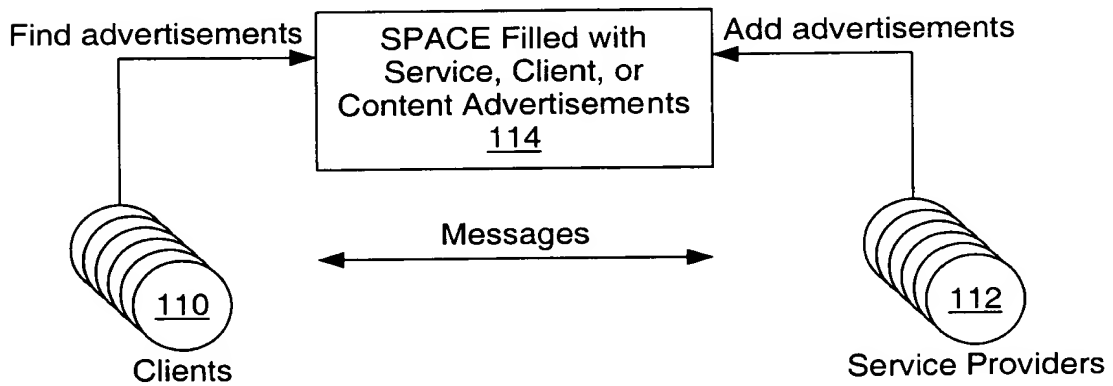


Fig. 15

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graph LR; Start(( )) -- 1 --> Drafted((Drafted)); Drafted -- 2 --> Published((Published)); Published -- 3 --> Persistent((Persistent)); Persistent -- 4 --> Published; Published -- 5 --> Drafted;
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Fig. 17

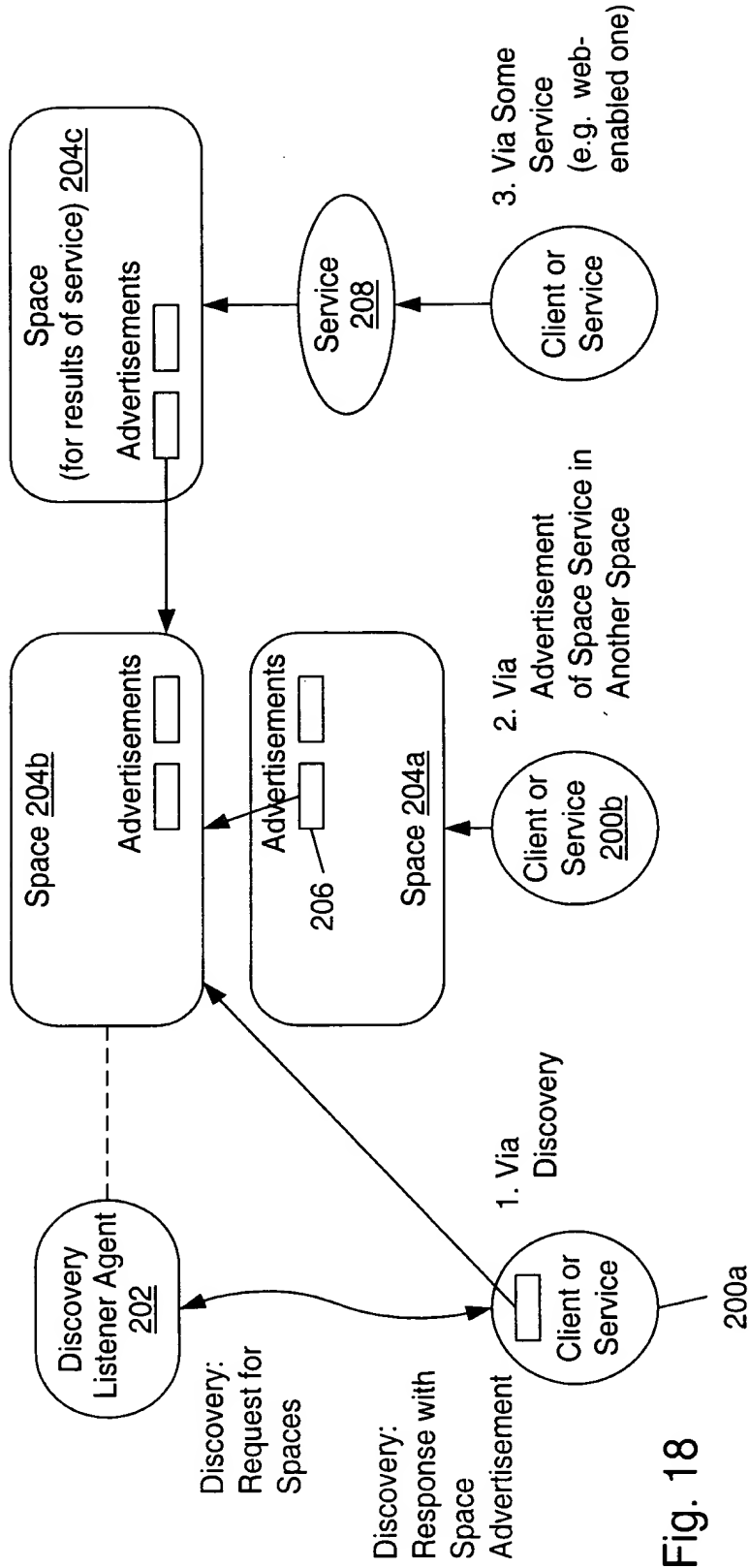


Fig. 18

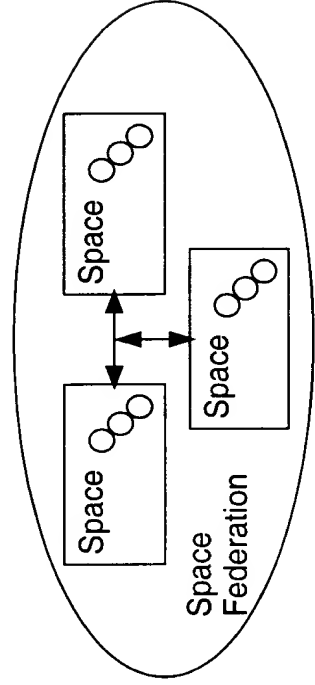


Fig. 19

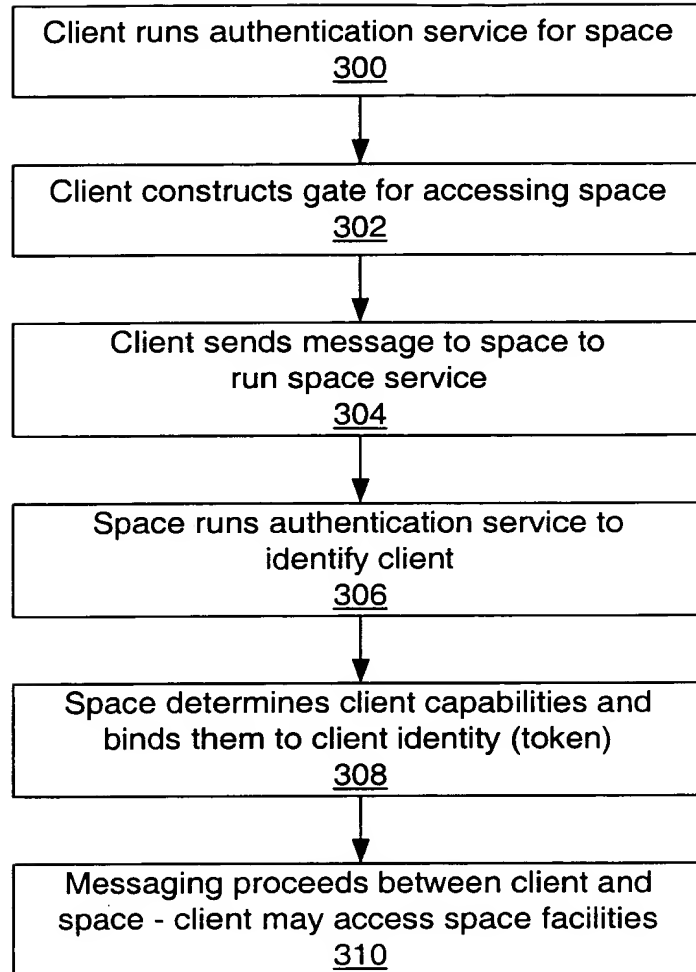


Fig. 20

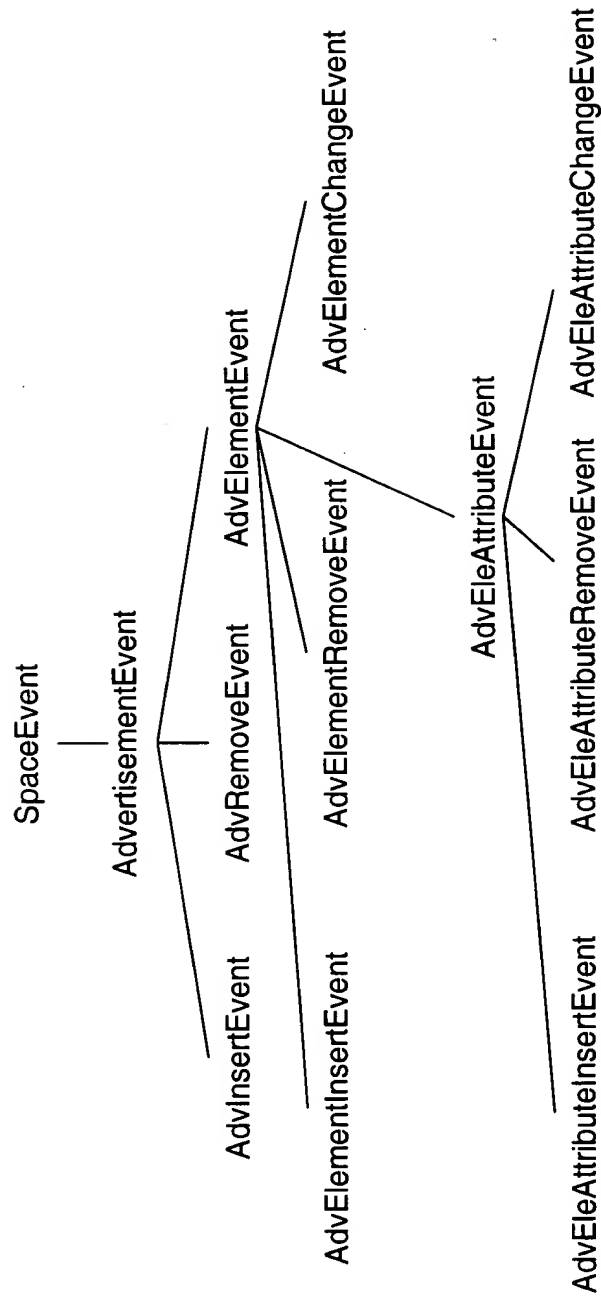


Fig. 21

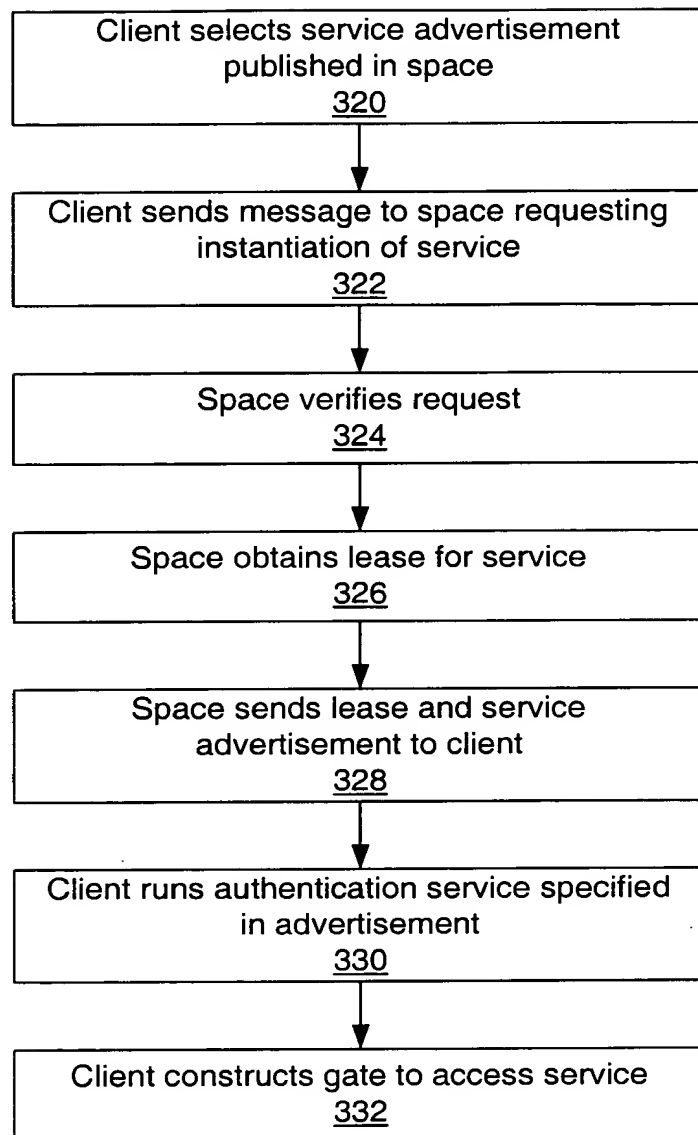


Fig. 22

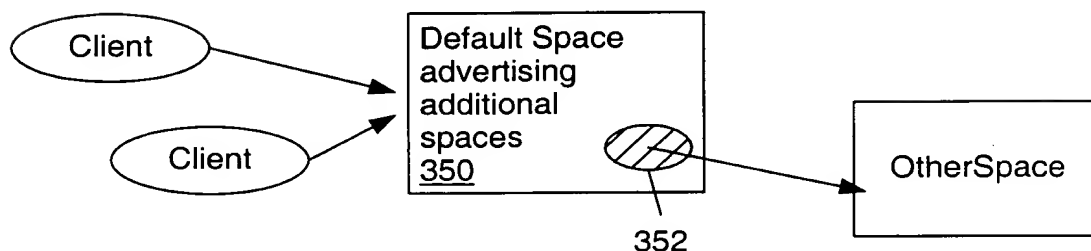


Fig. 23

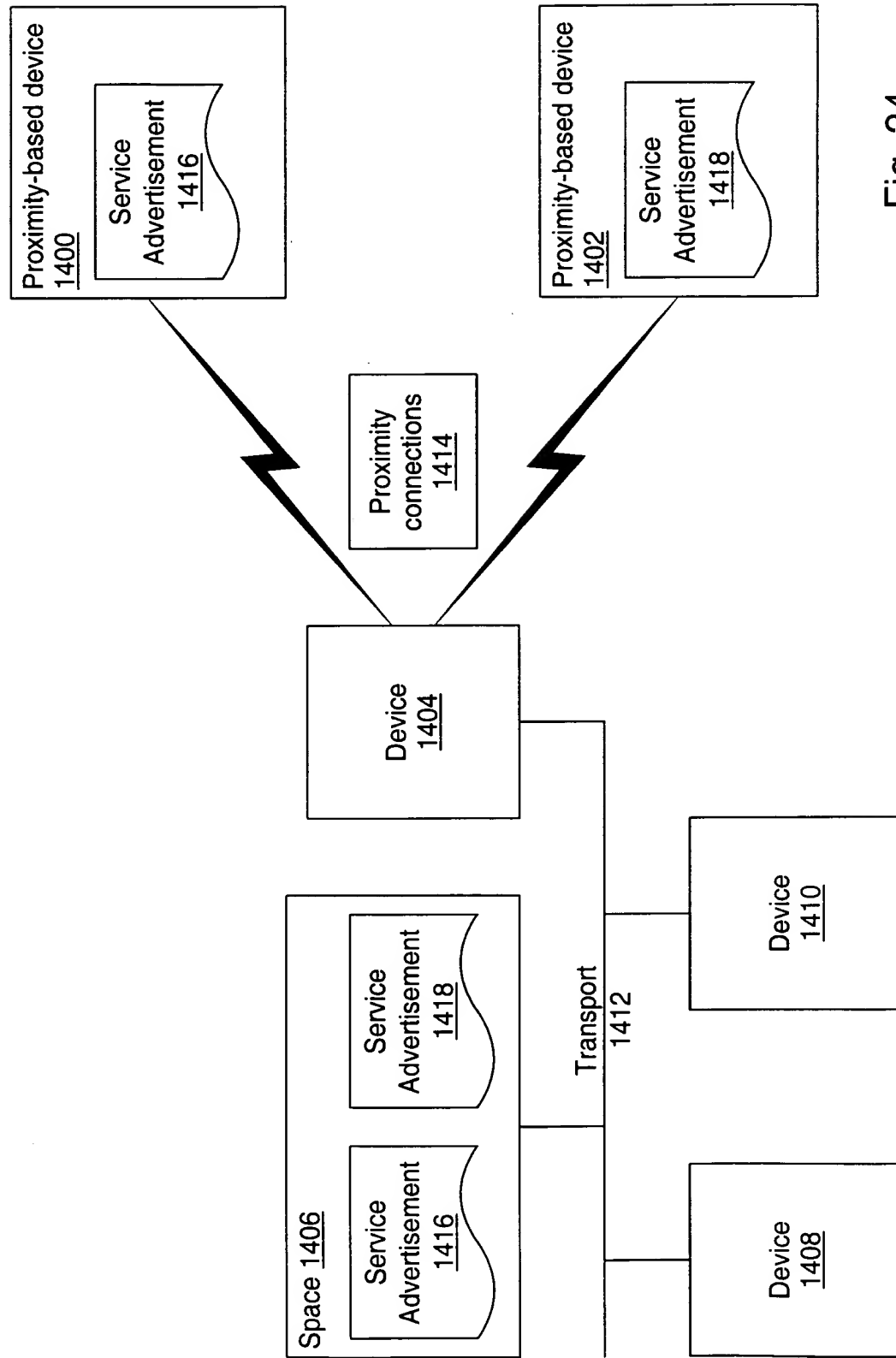


Fig. 24

Fig. 25



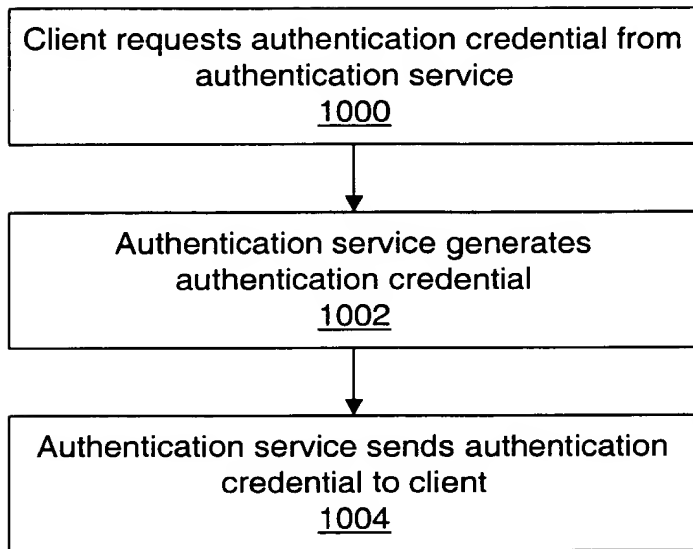


FIG. 26a

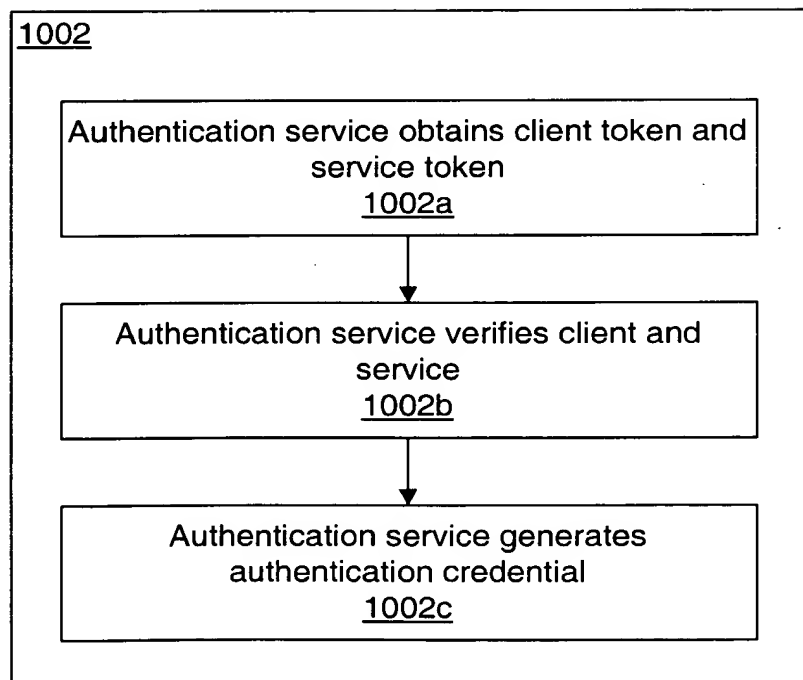


FIG. 26b

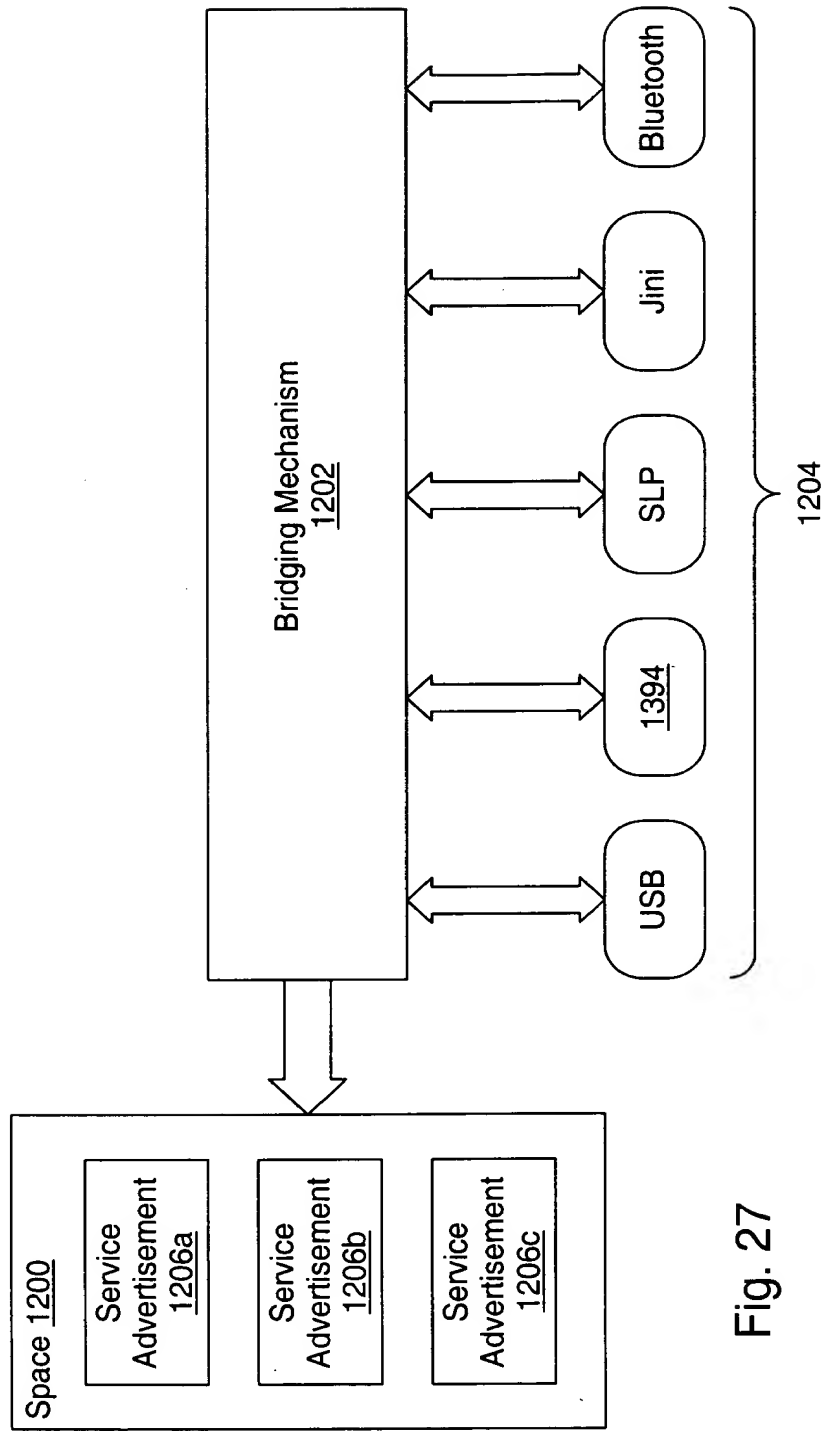


Fig. 27

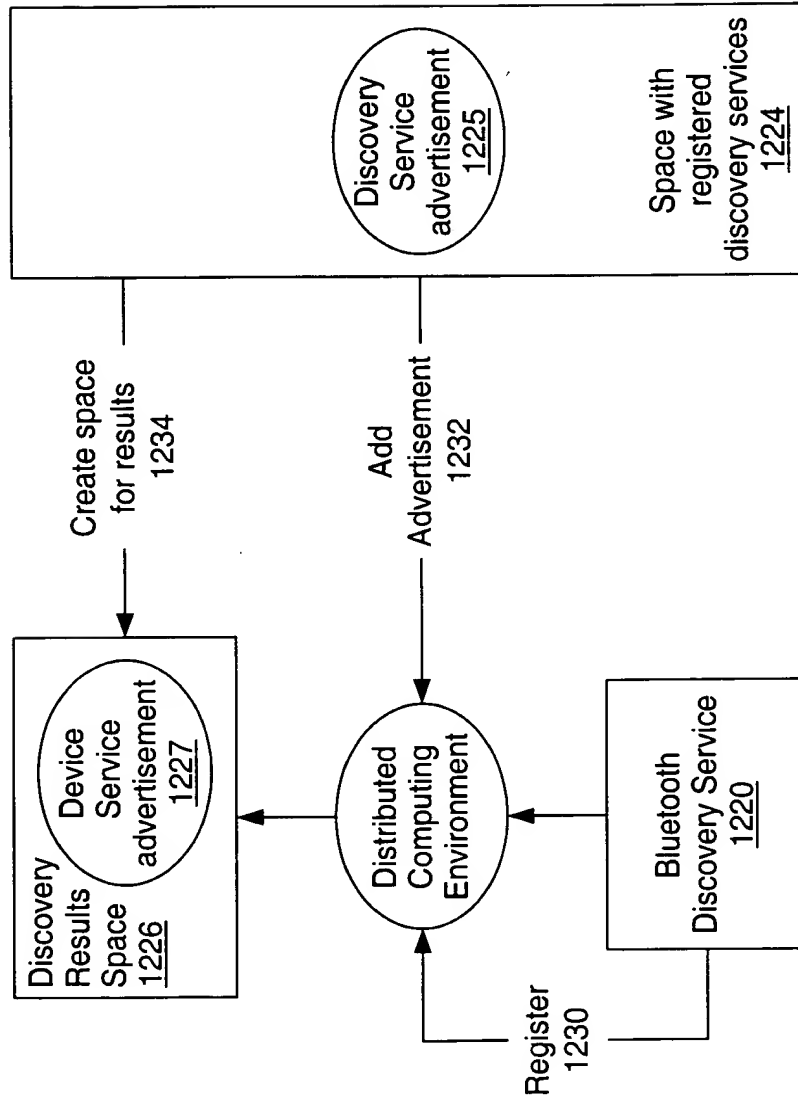


Fig. 28

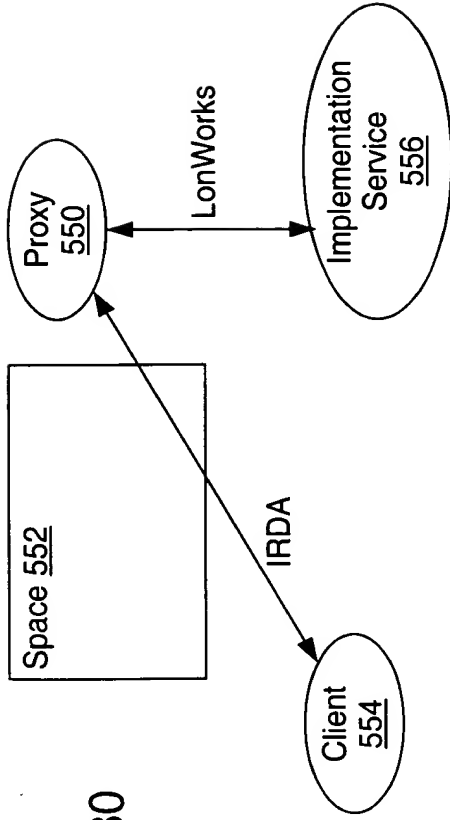


Fig. 30

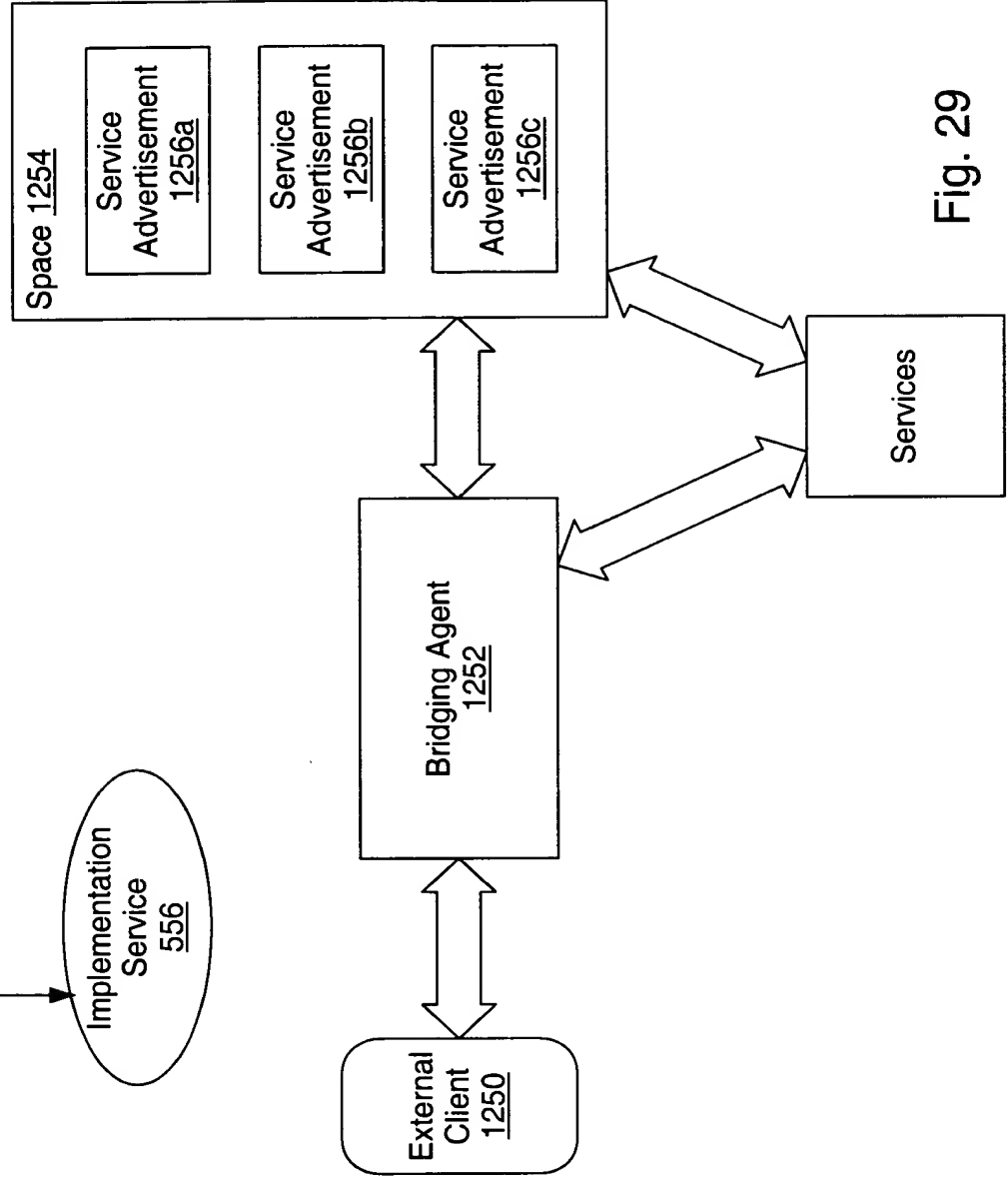


Fig. 29

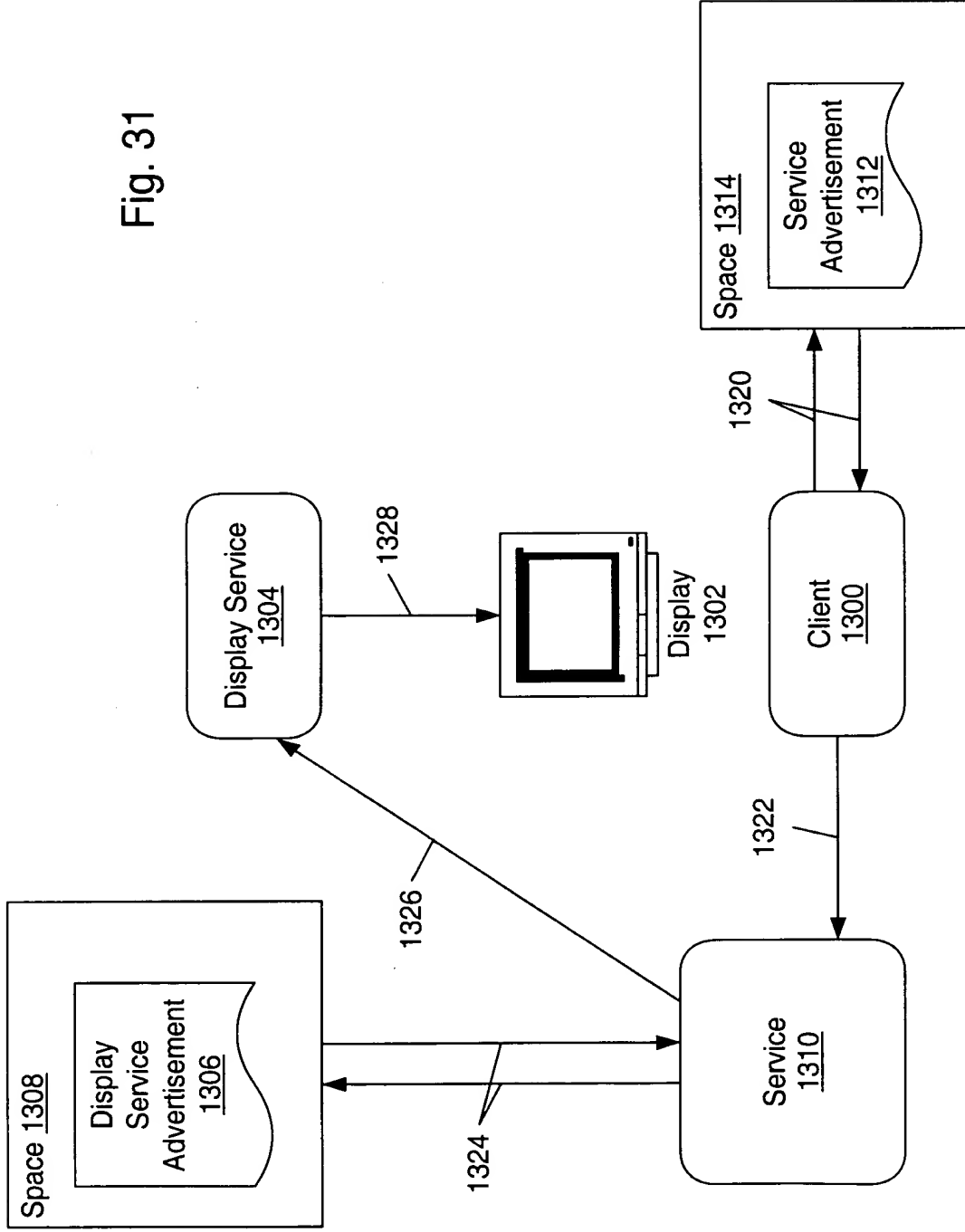


Fig. 31

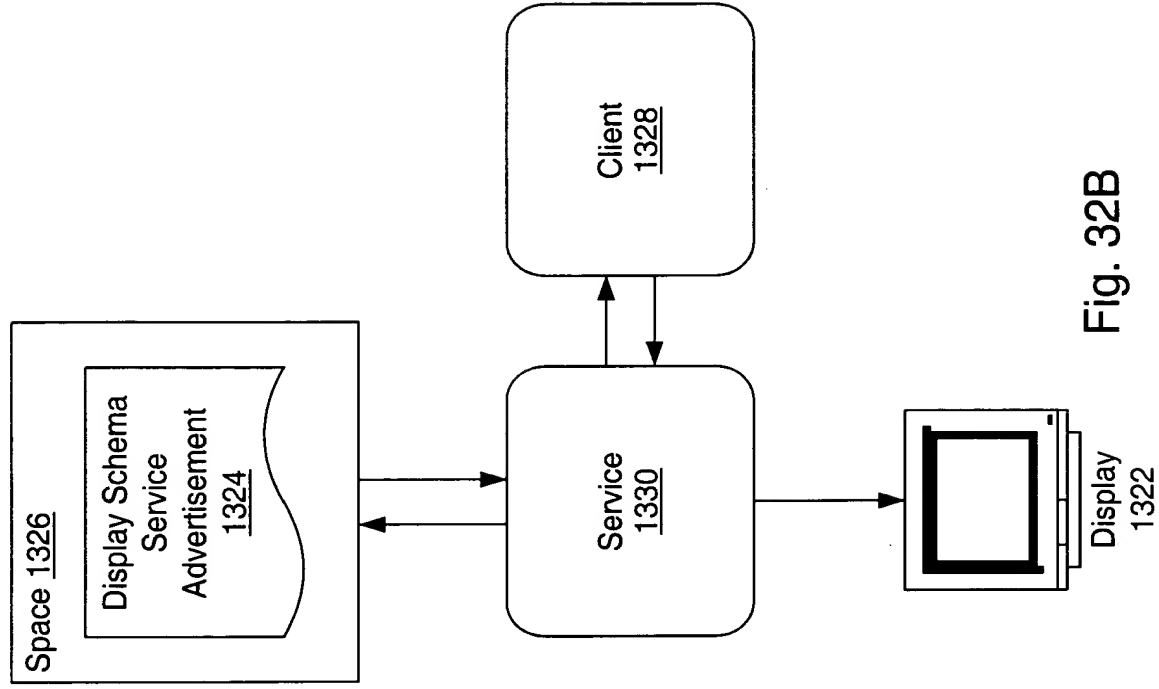


Fig. 32B

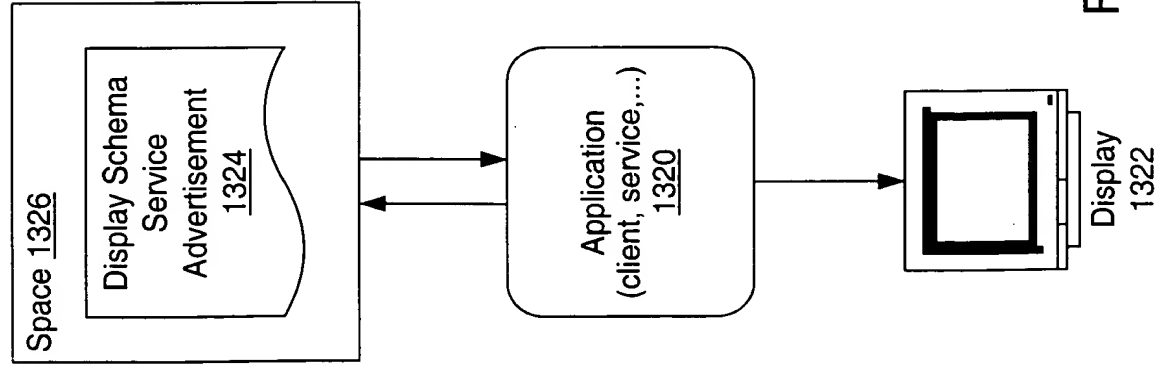


Fig. 32A

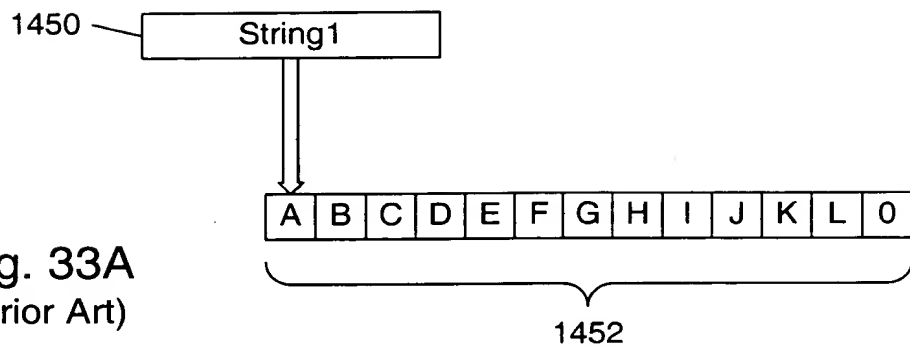


Fig. 33A  
(Prior Art)

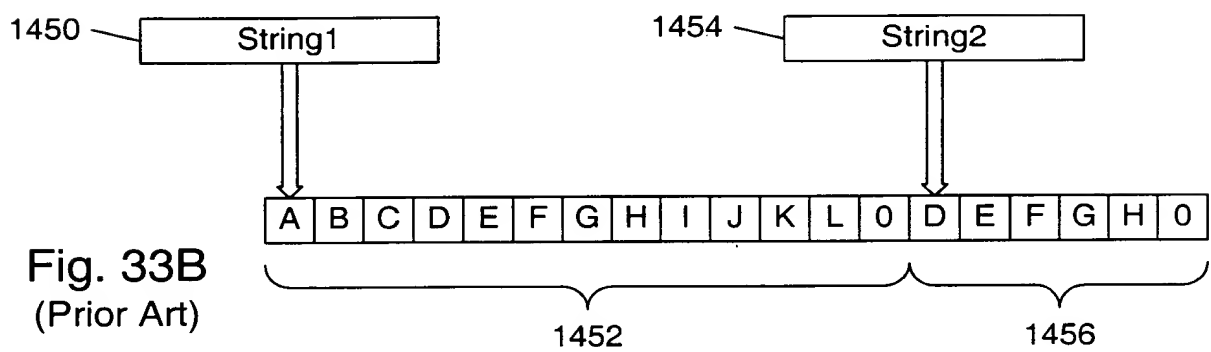


Fig. 33B  
(Prior Art)

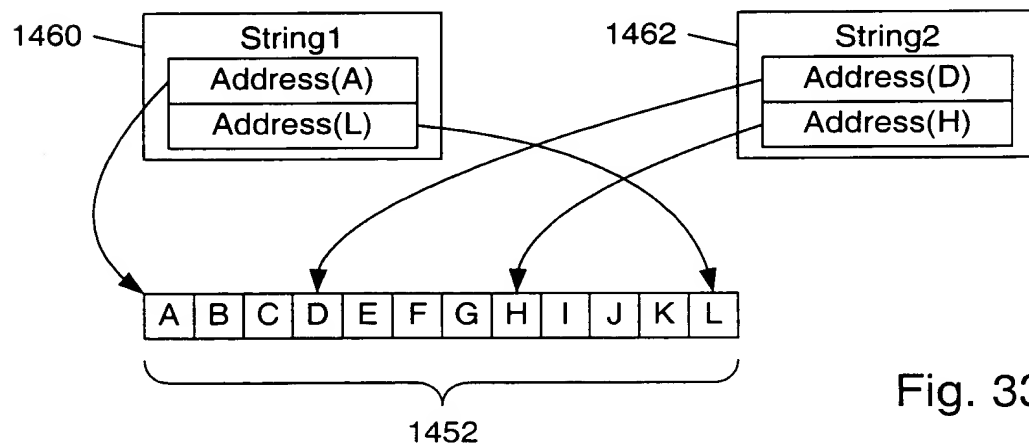


Fig. 33C

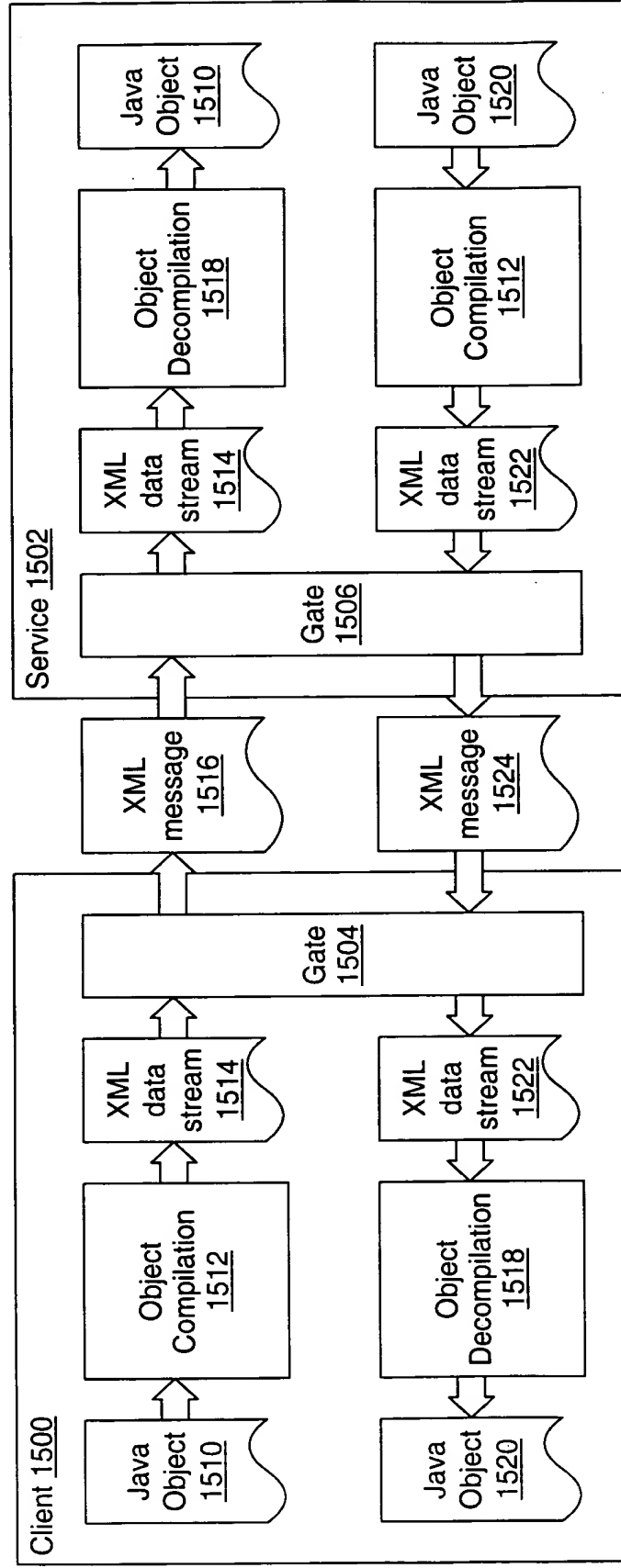


Fig. 34



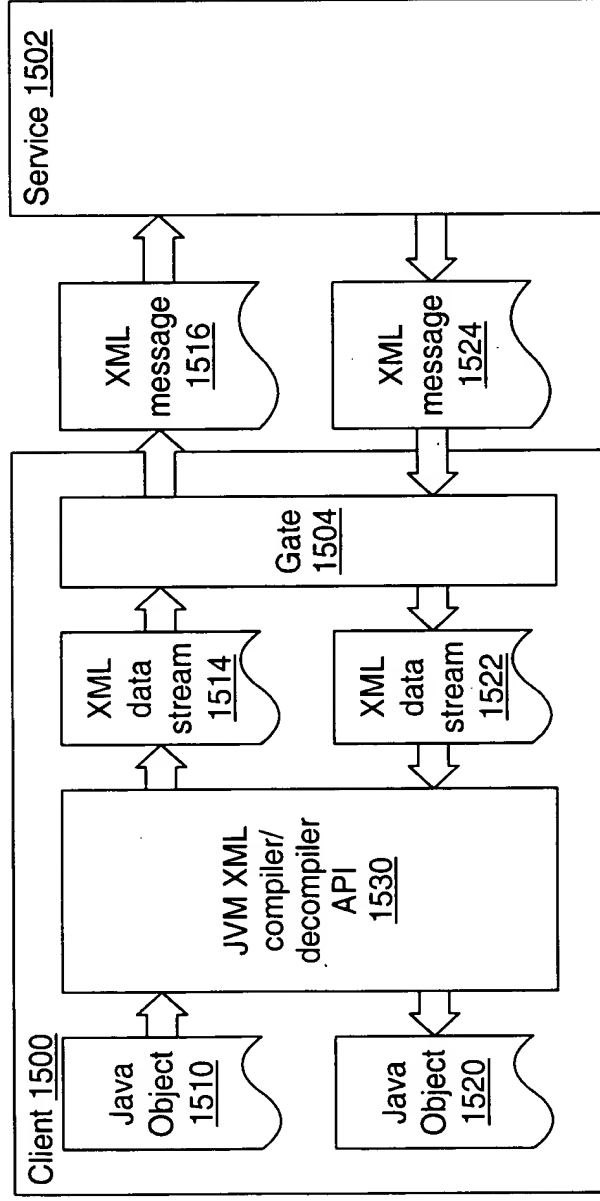


Fig. 35a

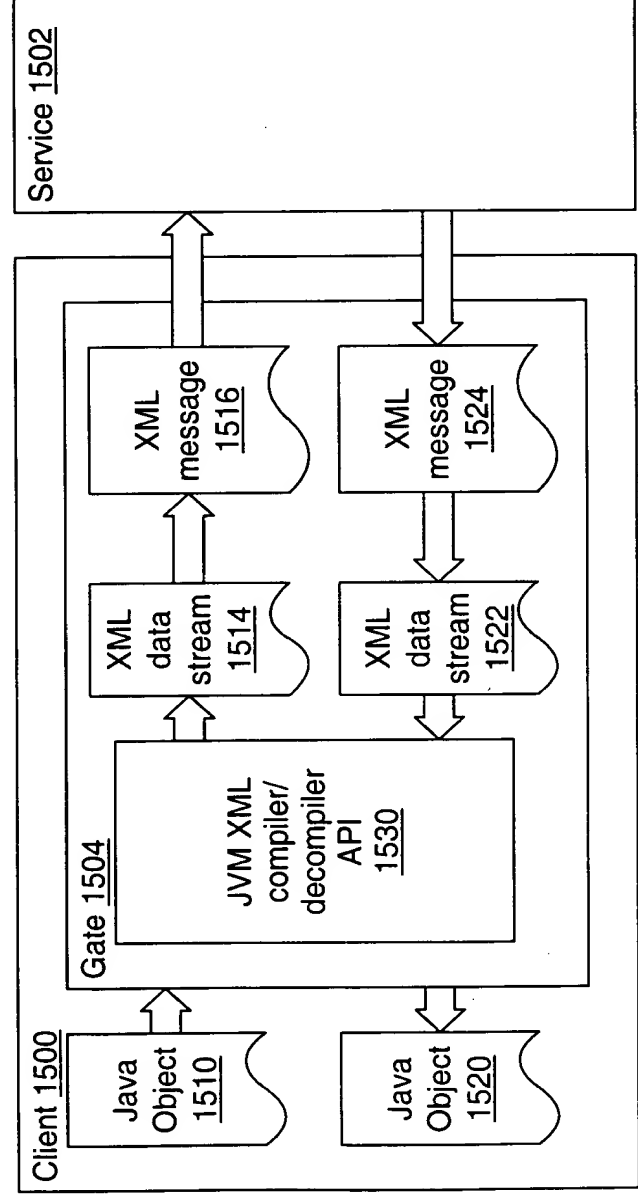


Fig. 35b

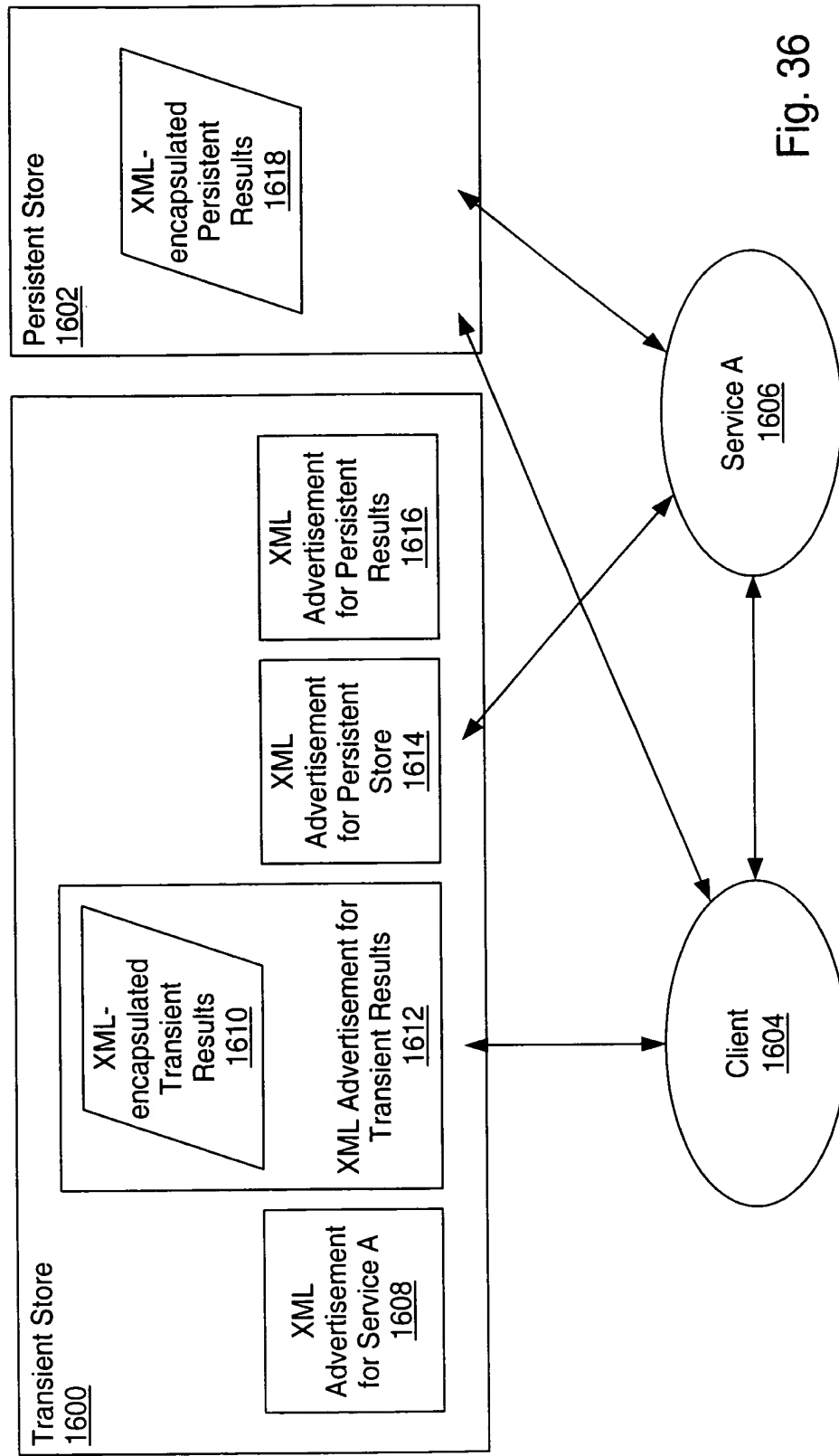


Fig. 36

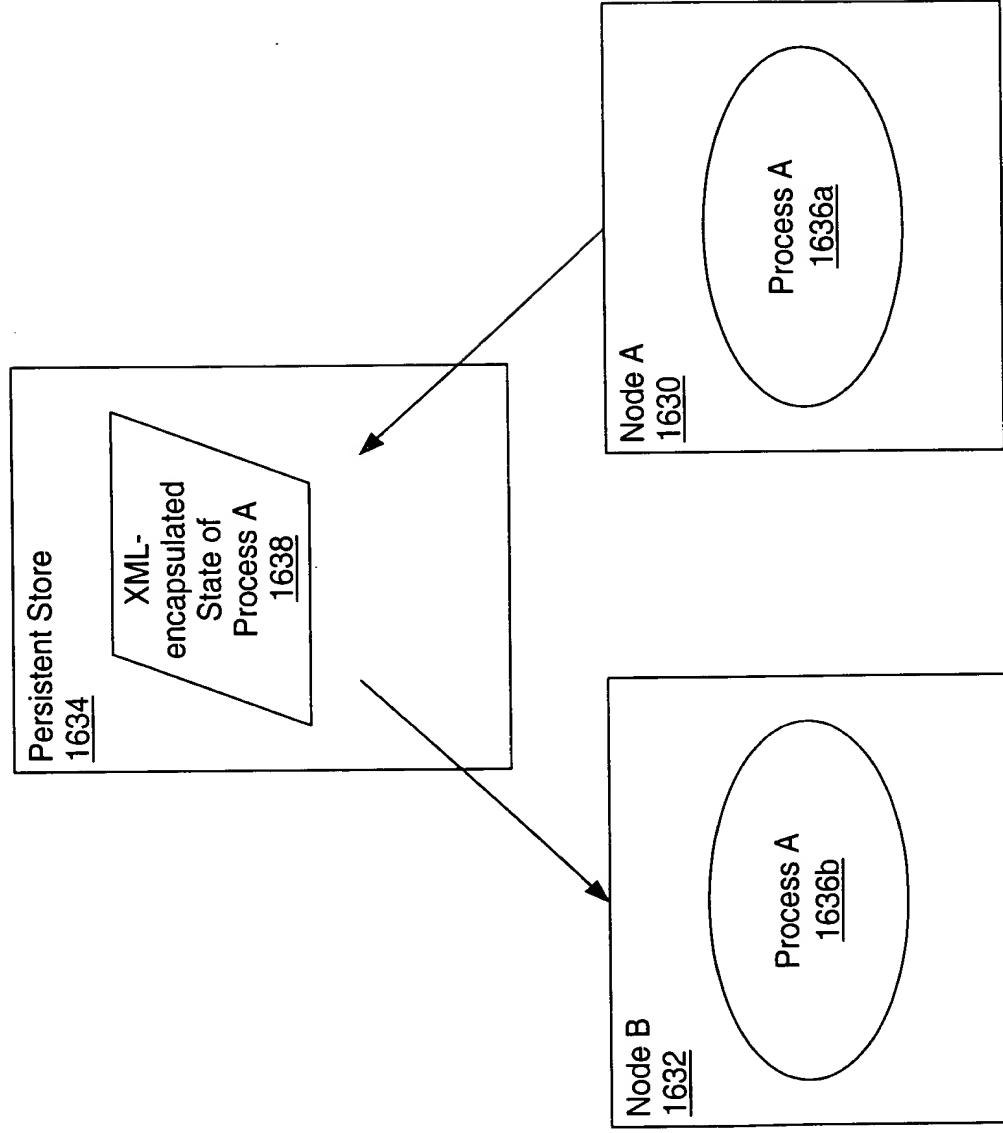


Fig. 37

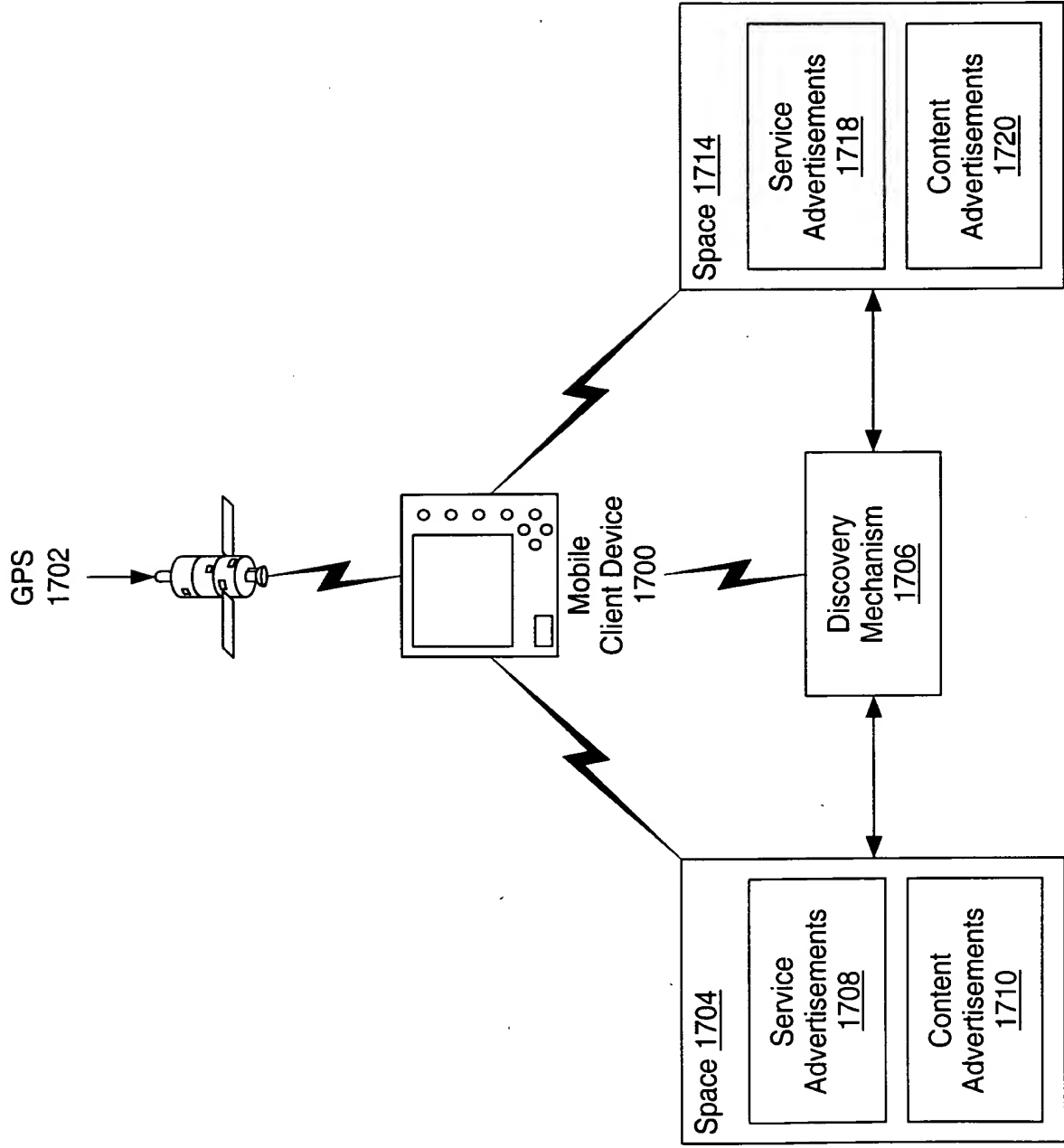


Fig. 38

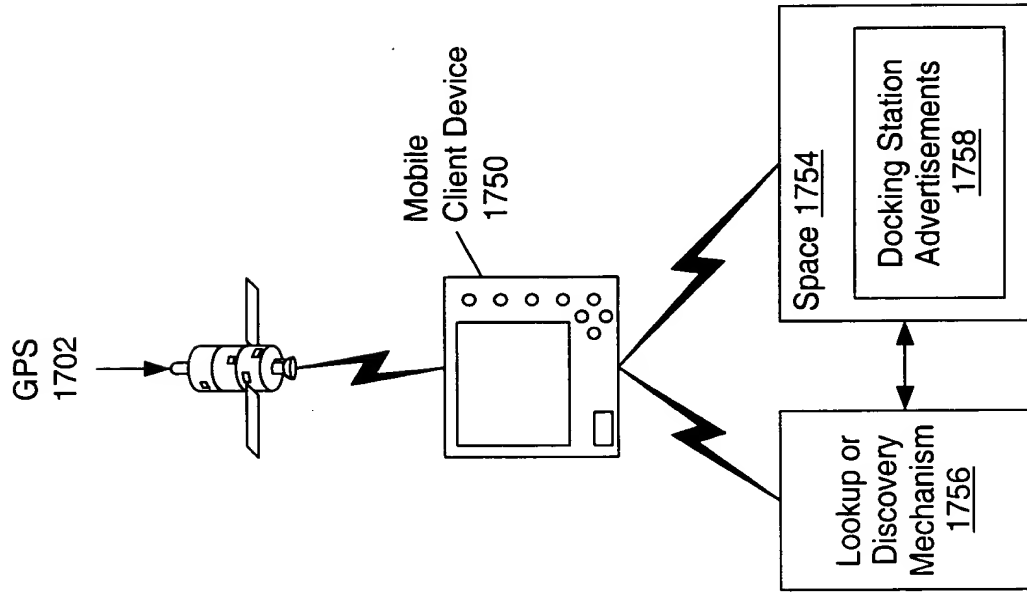


Fig. 39a

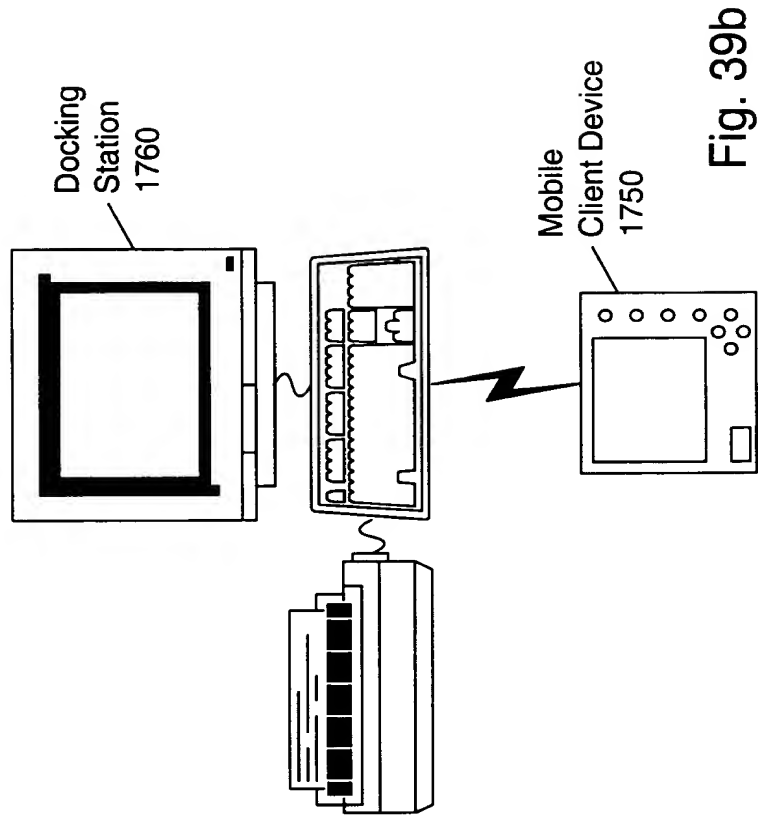


Fig. 39b

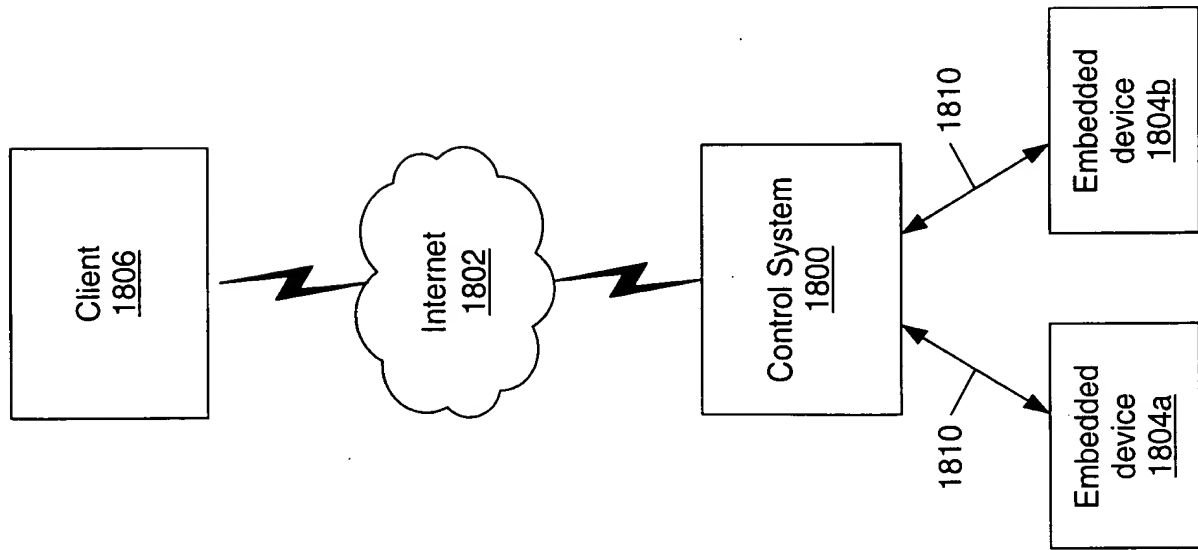


Fig. 40a

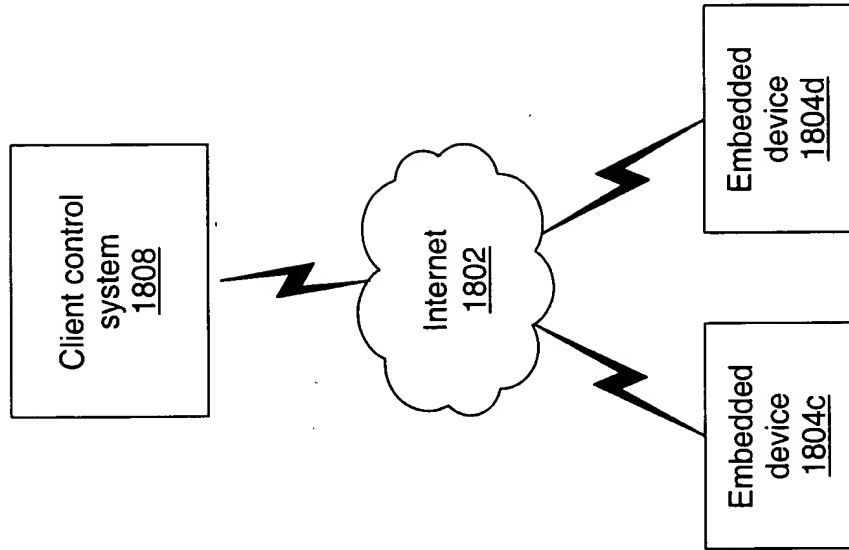


Fig. 40b

FIG. 41

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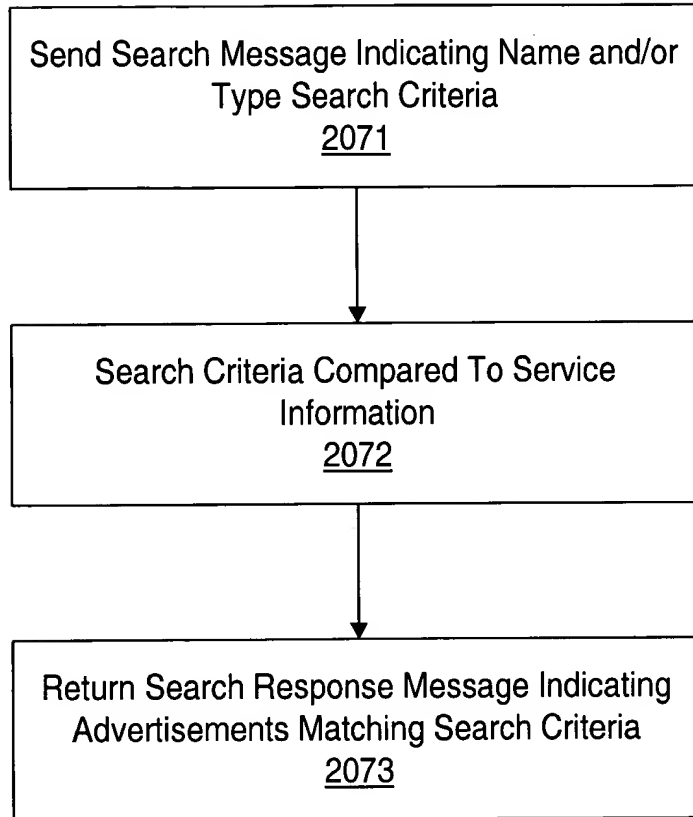


FIG. 42



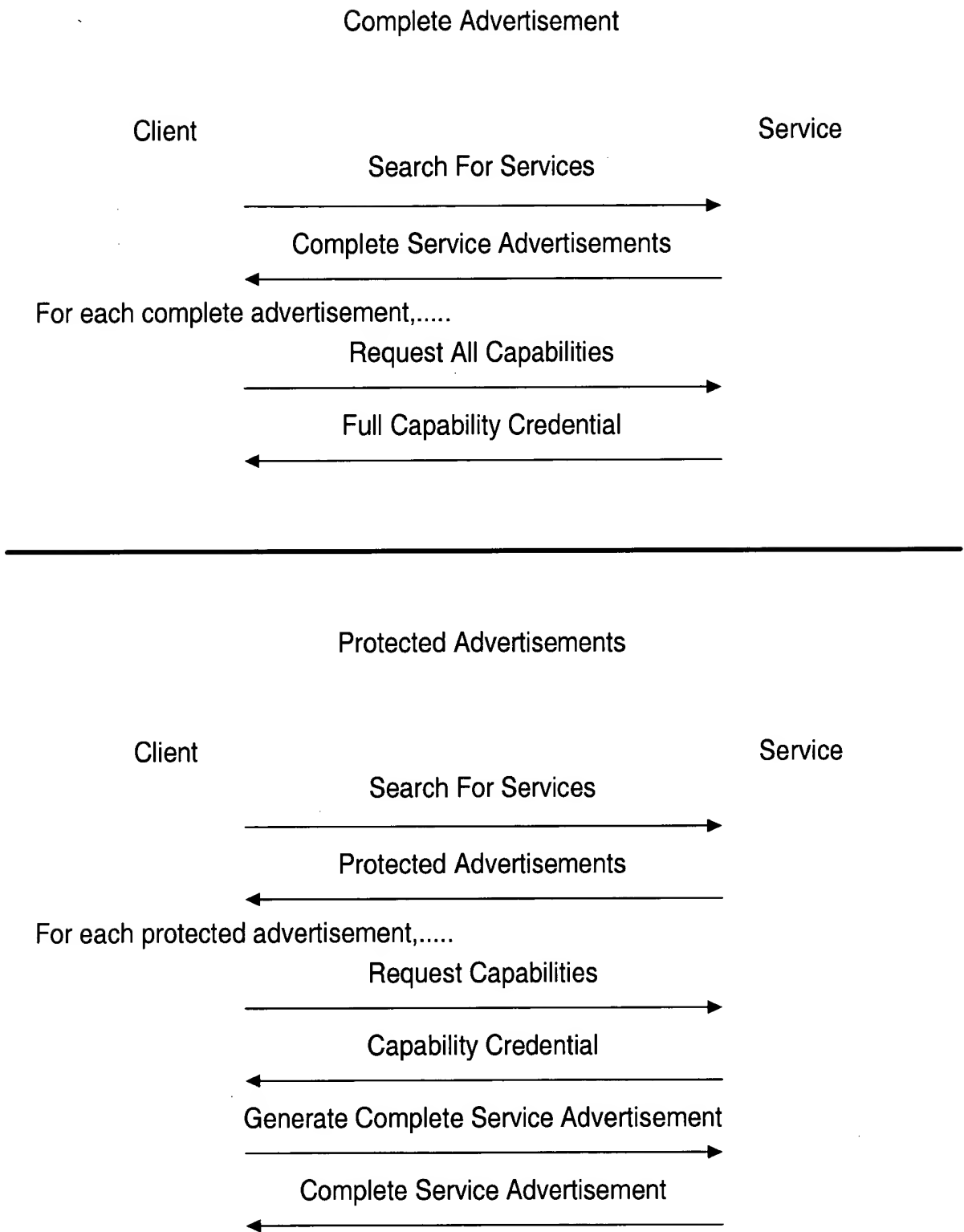


FIG. 43

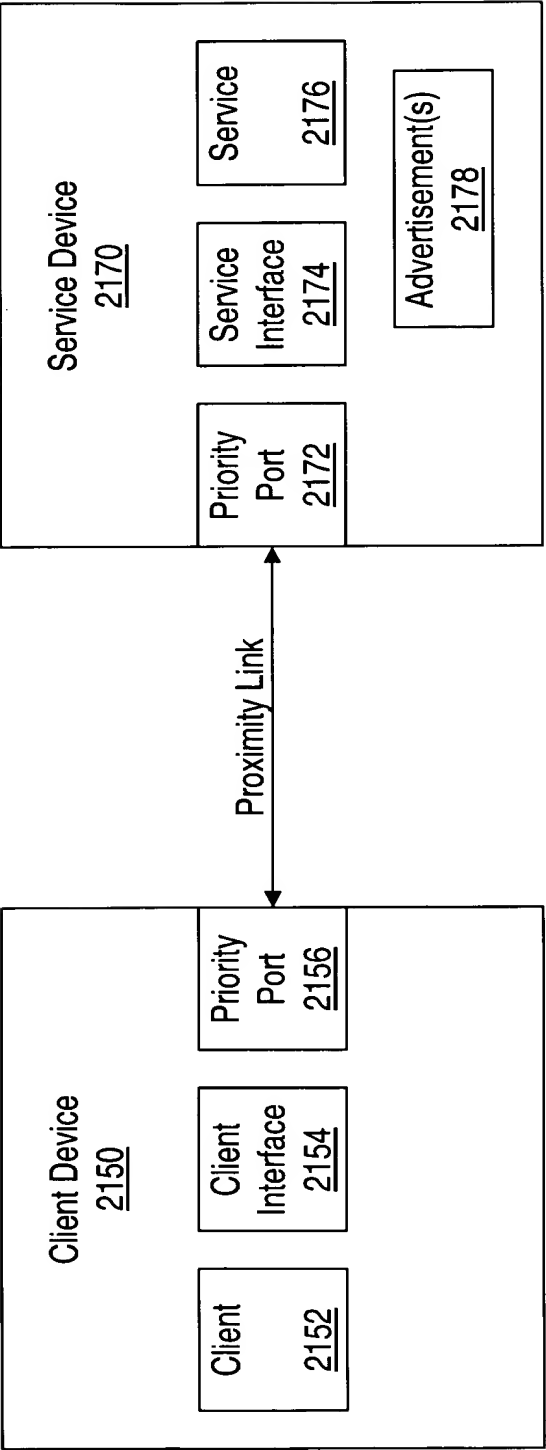


FIG. 44

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graph TD
    2190[Form Proximity Connection To Service Device  
2190] --> 2192[Request Advertisement Over Proximity  
Connection  
2192]
    2192 --> 2194[Receive Advertisement Directly From Service  
Device Over Proximity Connection  
2194]
    2194 --> 2196[Construct Gate To Access Service Over The  
Proximity Connection  
2196]

```

FIG. 45

## Space Services Register With Listener Agent



## Client Sends Space Discovery Request



## Listener Agent Receives Space Discovery Request



Listener Agent Returns Space Service  
Advertisement(s) (by Reference or Directly)  
2208



Client Uses a Discovered Space Service  
Advertisement to Create a Gate for Accessing a  
Space  
2210



Client Looks up Advertisements in the Space to  
Access Services or Content  
2212

FIG. 46

Client Accesses Discovery Service to Obtain  
Space Service Advertisement  
2222



Discovery Service Locates Space Service  
Advertisement(s), e.g. Through Listener Agent  
or Search Engine  
2224



Discovery Service Returns Space Service  
Advertisement(s) (by Reference or Directly)  
2226



Client Uses a Discovered Space Service  
Advertisement to Create a Gate for Accessing a  
Space  
2228



Client Looks up Advertisements in the Space to  
Access Services or Content  
2230

FIG. 47